



REVISOR: ASD, IS, MO, MDA, MV, NSA, WC, WEPS
USER: EL, GL, MC, MI, SHIPS

D NOMINAL SIZE		#0 (.060)	#2 (.086)	#4 (.112)
B THREADS PER INCH		80UNF	64UNF	48UNF
J WIDTH OF SOCKET ACROSS FLATS	Nom.	.0280	.0350	.0500
Y CONE POINT ANGLE	118° ± 2° FOR LENGTHS UNDER	5/64	7/64	5/32
	90° ± 2° FOR LENGTHS AND OVER			

L LENGTH	Tolerance	Dash Number	Dash Number	Dash Number
3/32	± 0.010	201*	215*	225*
1/8		202*	216*	226*
5/32		217*	227*	
3/16		218*	228*	
1/4		219*	229*	

D NOMINAL SIZE		#6 (.138)	#8 (.164)	#10 (.190)
B THREADS PER INCH		40UNF	36UNF	32UNF
J WIDTH OF SOCKET ACROSS FLATS	Nom.	.0625	.0781	.0937
Y CONE POINT ANGLE	118° ± 2° FOR LENGTHS UNDER	3/16	1/4	1/4
	90° ± 2° FOR LENGTHS AND OVER			

L LENGTH	Tolerance	Dash Number	Dash Number	Dash Number
1/8	± 0.010	235*	247*	258*
5/32		236*		
3/16		237*		
1/4		238*		
5/16		239*		
3/8		240*		
1/2	241*	252*	262*	

* Indicates manufacturer's non-stock production items.
NOTE: For material, protective coating and other pertinent data, see sheet 2.

Ⓐ ENTIRE STANDARD REVISED

P.A. WC Other Cost SHIPS ASD	TITLE SETScrew-Hexagon Socket, Cone Point, Brass, Black Oxide, UNF-3A	MILITARY STANDARD MS51040
PROCUREMENT SPECIFICATION FF-3-200	SUPERSEDES: MS51061 and in part BCUX2 and ECUX3.	SHEET 1 OF 2

APPROVED 7 MAY 58 REVISED Ⓐ 29 JANUARY 1964

This military standard is approved by the Department of Defense and is mandatory on all activities. Substitutions for all non-engineering and design applications and for repetitive use shall be made from this document.

REVIEWER: ASD, IS, MO, MOA, MU, NSA, WC, WEPS
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MATERIAL: Brass, Specification QQ-B-626 or QQ-W-321.

PROTECTIVE COATING: Black Oxide in accordance with Specification MIL-P-495.

THREADS: The threads shall be in accordance with Federal Specification MIL-S-7742.

DIMENSIONS: All dimensions are in inches.

PART NUMBER: The MS part number consists of the MS number, plus the dash number Example: MS51040-201.

- NOTES:**
- (1) For design feature purposes, this standard takes precedence over procurement documents referenced herein.
 - (2) Referenced documents shall be of the issue in effect on date of invitations for bid.

INTERCHANGEABILITY TABLE

Effective 31 December 1960, MS51061 was cancelled and superseded by MS51040.

The screws covered by dash numbers given in original issue of this standard are cancelled after the approval date on this document. Use the dash numbers given in the preceding sheet of this revision. The cancelled screws cannot always replace the new screws and should be used until existing stocks are depleted. Use only the new screws for design and replacement. Replacement shall be in accordance with this table.

PART NUMBERS		PART NUMBERS		PART NUMBERS	
CANCELLED	NEW	CANCELLED	NEW	CANCELLED	NEW
MS51040-1	MS51040-201	MS51040-27	MS51040-227	MS51040-48	MS51040-248
-2	-202	-28	-228	-49	-249
-8	No Replacement	-29	-229	-50	-250
-9	No Replacement	-35	-235	-51	-251
-15	MS51040-215	-36	-236	-52	-252
-16	-216	-37	-237	-58	-258
-17	-217	-38	-238	-59	-259
-18	-218	-39	-239	-60	-260
-19	-219	-40	-240	-61	-261
-25	-225	-41	-241	-62	-262
-26	-226	-47	-247		

APPROVED 7 MAY 59 REVISED A FOR CHANGES SEE SHEET 1

This military standard is approved by the Department of Defense and is mandatory on all activities. Substitutions for all new engineering and design applications and for reapplications shall be made from this document.

P.A. Other Cost	WC SHIPS ASD	TITLE SETSCREW—HEXAGON SOCKET, CONE POINT, BRASS, BLACK OXIDE, UNF -3A	MILITARY STANDARD MS51040
PROCUREMENT SPECIFICATION FF-S-200	SUPERSEDES:	MS51061 and in part BCUX2 and BCUX3.	SHEET 2 OF